

# Concrete Mix Design Principles, Cold Weather Concreting

*Presented by:*



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**Tuesday, November 13, 2018**

Salina Area Technical College  
2562 Centennial Rd., Salina, KS 67401

**Wednesday, November 14, 2018**

Butler Community College  
715 E. 13th St., Andover, KS 67002

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Join the Kansas Aggregate Producers Association – Kansas Ready Mixed Concrete Association for our November Concrete Forum educational series. Our industry experts will provide the latest, state of the practice information. Joe Hug, P.E., Technical Services Manager, Monarch Cement, will present on *Concrete Mix Design Principles*. Kevin MacDonald, P.E., Ph.D., President, Beton Engineering, will speak on *Cold Weather Concreting*.

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10:00 am	<b>Welcome &amp; Opening Remarks</b> – Jerry Younger, KAPA-KRMCA
10:15 am	<b>Concrete Mix Design Principles</b> – Joe Hug, P.E., Monarch Cement <i>Mr. Hug will instruct on correct materials and proportioning theory and practice. Learn the latest on materials and additives for today's concrete mixes. Recent changes in mix design methodology will be discussed including Performance Enhanced Mixes (PEM's).</i>
11:15 am	<b>Materials Storage &amp; Handling</b> – Speaker TBD <i>Proper handling and storage of concrete materials is critical in avoiding contamination, segregation, and other deleterious effects to mixes and performance. State of the practice information will be presented including utilizing drone technology for inventory control.</i>
12:00 pm	<b>Lunch</b>
12:30 pm	<b>Cold Weather Concreting</b> – Kevin MacDonald, P.E., Ph.D., Beton Engineering <i>Dr. MacDonald will present on a broad scope of best practices for cold weather concrete construction from materials and additives thru to placement and curing.</i>
1:30 pm	<b>Q&amp;A/Discussion</b>
2:00 pm	<b>Adjourn</b>

**Please Register the Following People for the KAPA-KRMCA Concrete Forum on  
Concrete Mix Design Principles,  
Cold Weather Concreting**

Name:	Company:	E-Mail Address:	11/13 (Salina)	11/14 (Andover)

**Each attendee will receive the following:**

- *Design & Control of Concrete Mixes*, Portland Cement Association
- *Concrete in Practice: Cold Weather Concreting*, National Ready Mixed Concrete Association

***Attendees will receive a certificate for 3.5 PDH at the conclusion of the event***

**Registration Details:**

**There is no cost to attend but you must register in order to attend the event! (Registration includes lunch and materials.)**

**Register no later than Thursday, November 8, by mailing your completed registration form to:**

**KAPA-KRMCA  
800 SW Jackson St # 1408, Topeka, KS 66612**

**Or E-mail to: [phansen-nagy@kapa-krmca.org](mailto:phansen-nagy@kapa-krmca.org)**

**Registration Questions? Call Peggy @ (785) 235-1188**

**November 14 Andover Attendees:** Meeting room is just inside Student Union entrance on east side of 5000 building.

**Questions about Concrete Mix Designs or Cold Weather Concreting? Please Contact:**

**Kansas Aggregate Producers Association - Kansas Ready Mixed Concrete Association**

Jerry Younger, Managing Director  
(785) 235-1188  
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